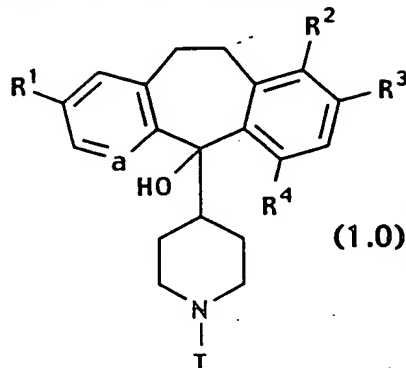
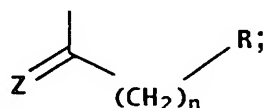


WHAT IS CLAIMED IS:

1. A compound of the formula:

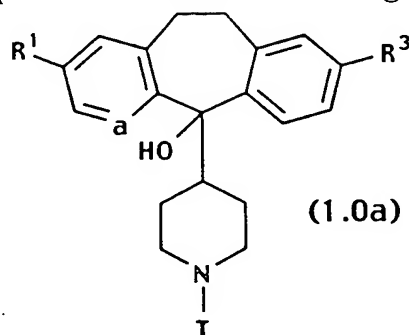


- 5 or a pharmaceutically acceptable salt or solvate thereof, wherein:
a represents N or NO⁻;
R¹ and R³ are the same or different and each represents halo;
R² and R⁴ are the same or different and each is selected
10 from H and halo, provided that at least one of R² and R⁴ is H;
T is a substituent selected from SO₂R or



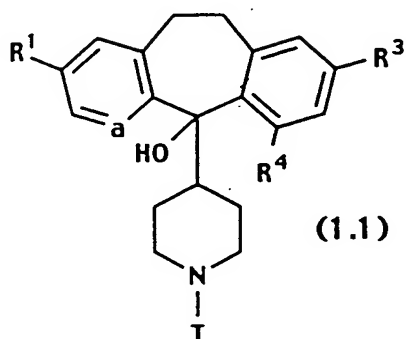
- Z is O or S;
n is zero or an integer from 1 to 6;
15 R is alkyl, aryl, arylalkyl, heteroaryl, heteroarylalkyl, cycloalkyl, heterocycloalkyl; or N(R⁵)₂;
R⁵ is H, alkyl, aryl, heteroaryl or cycloalkyl.

2. The compound of Claim 1 having the formula:



- 20 wherein a, T, R¹ and R³ are as defined in Claim 1.

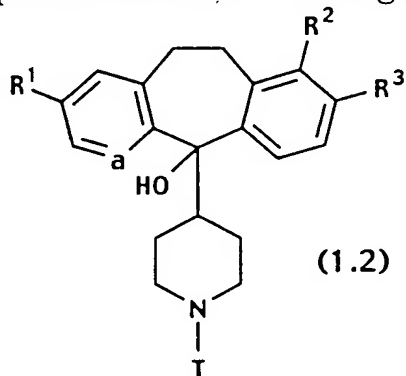
3. The compound of Claim 1 having the formula:



wherein a, T, R¹, R³ and R⁴ are as defined in Claim 1.

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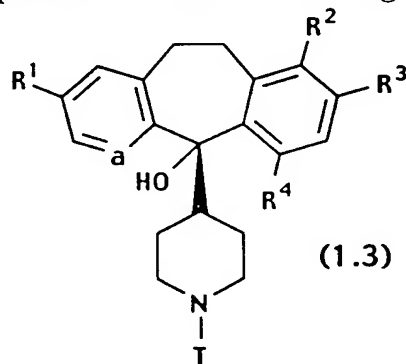
4. The compound of Claim 1 having the formula:



wherein a, T, R¹, R² and R⁴ are as defined in Claim 1.

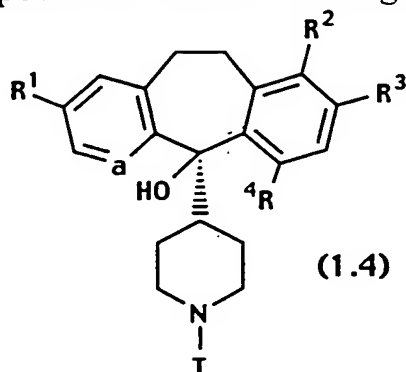
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5. The compound of Claim 1 having the formula:



wherein a, T, R¹, R², R³ and R⁴ are as defined in Claim 1.

6. The compound of Claim 1 having the formula:



wherein a, T, R¹, R², R³ and R⁴ are as defined in Claim 1.

7. The compound of Claim 2, wherein R¹ is bromo and R³ is chloro.

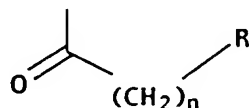
8. The compound of Claim 3, wherein R¹ is bromo, R³ is chloro and R⁴ is bromo.

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9. The compound of Claim 4, wherein R¹ is bromo, R² is bromo and R³ is chloro.

10. The compound of Claim 7, wherein T is -SO₂methyl or a group

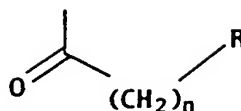
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- wherein R is a 3-pyridinyl N-oxide, 4-pyridinyl N-oxide, 4-piperdinyl, 3-piperdinyl or 3-pyrrolidinyl group, wherein: the 4-piperdinyl, 3-piperdinyl or 3-pyrrolidinyl groups may be substituted on the piperidinyl or pyrrolidinyl nitrogen with a group R⁹; R⁹ is selected from -C(O)N(R¹⁰)₂, -CH₂C(O)N(R¹⁰)₂, -SO₂R¹⁰, -SO₂N(R¹⁰)₂, -C(O)R¹¹, -C(O)OR¹¹, alkyl, aryl, aralkyl, cycloalkyl, heterocycloalkyl or heteroaryl; each R¹⁰ independently represents H, alkyl, aryl, or aralkyl; and R¹¹ is alkyl, aryl, aralkyl, heteroaryl or heterocycloalkyl.

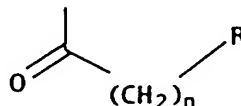
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11. The compound of Claim 8, wherein T is -SO₂methyl or a group



wherein R is a 3-pyridinyl N-oxide, 4-pyridinyl N-oxide, 4-piperdiny, 3-piperdiny or 3-pyrrolidinyl group, wherein: the 4-piperdiny, 3-piperdiny or 3-pyrrolidinyl groups may be substituted on the piperindiny or pyrrolidinyl nitrogen with a group R⁹; R⁹ is selected from -C(O)N(R¹⁰)₂, -CH₂C(O)N(R¹⁰)₂, -SO₂R¹⁰, -SO₂N(R¹⁰)₂, -C(O)R¹¹, -C(O)OR¹¹, alkyl, aryl, aralkyl, cycloalkyl, heterocycloalkyl or heteroaryl; each R¹⁰ independently represents H, alkyl, aryl, or aralkyl; and R¹¹ is alkyl, aryl, aralkyl, heteroaryl or heterocycloalkyl.

12. The compound of Claim 9, wherein T is -SO₂methyl or a group



wherein R is a 3-pyridinyl N-oxide, 4-pyridinyl N-oxide, 4-piperdiny, 3-piperdiny or 3-pyrrolidinyl group, wherein: the 4-piperdiny, 3-piperdiny or 3-pyrrolidinyl groups may be substituted on the piperindiny or pyrrolidinyl nitrogen with a group R⁹; R⁹ is selected from -C(O)N(R¹⁰)₂, -CH₂C(O)N(R¹⁰)₂, -SO₂R¹⁰, -SO₂N(R¹⁰)₂, -C(O)R¹¹, -C(O)OR¹¹, alkyl, aryl, aralkyl, cycloalkyl, heterocycloalkyl or heteroaryl; each R¹⁰ independently represents H, alkyl, aryl, or aralkyl; and R¹¹ is alkyl, aryl, aralkyl, heteroaryl or heterocycloalkyl.

13. The compound of Claim 10, wherein the carbon in the C-11 position is in the R-configuration.

14. The compound of Claim 11, wherein the carbon in the C-11 position is in the R-configuration.

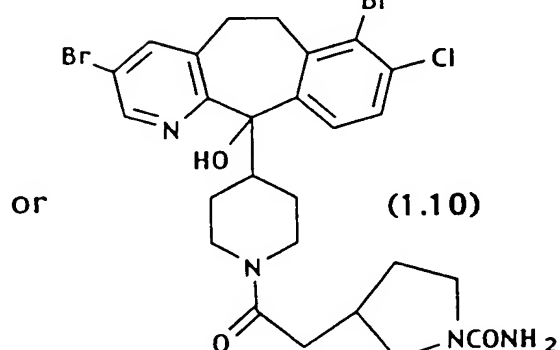
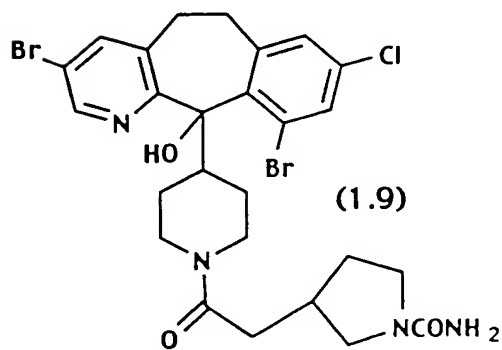
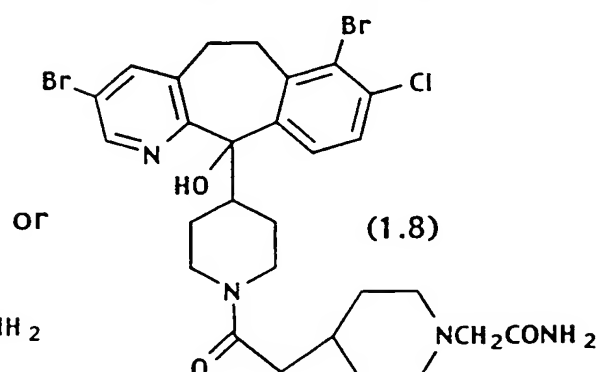
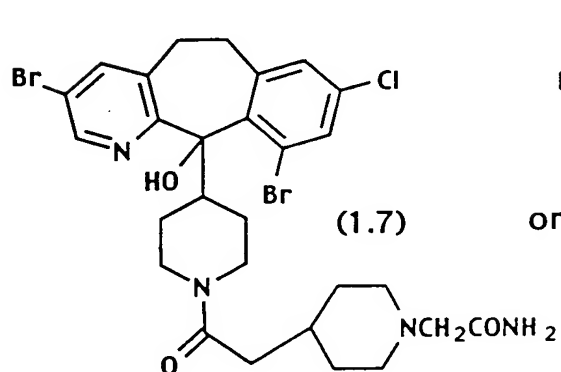
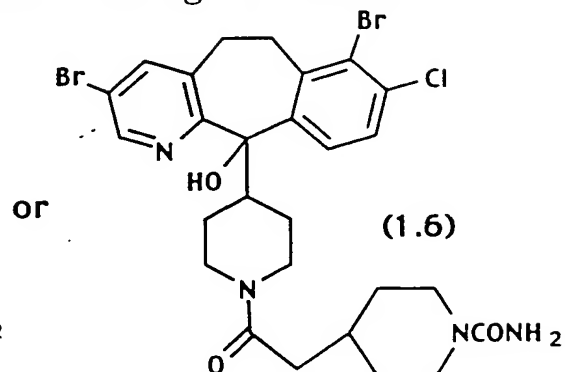
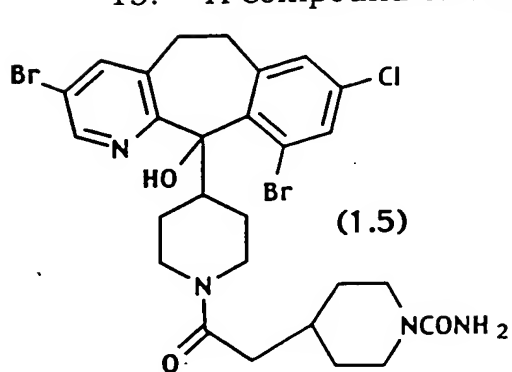
15. The compound of Claim 12, wherein the carbon in the C-11 position is in the R-configuration.

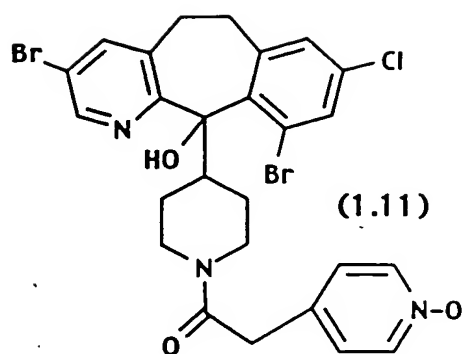
16. The compound of Claim 10, wherein the carbon in the C-11 position is in the S-configuration.

5 17. The compound of Claim 11, wherein the carbon in the C-11 position is in the S-configuration.

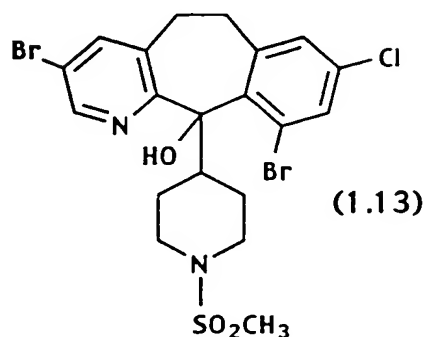
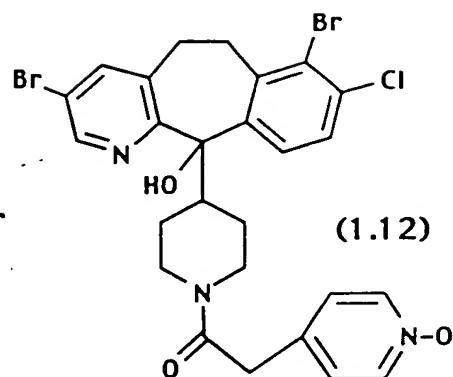
18. The compound of Claim 12, wherein the carbon in the C-11 position is in the S-configuration.

19. A compound of Claim 1 having the formula:

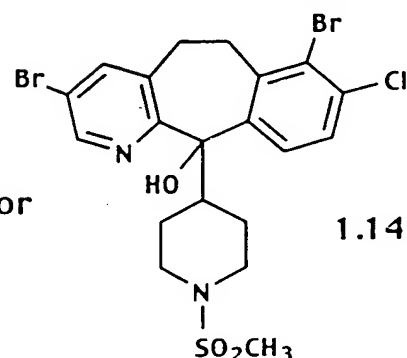




or



or



20. A method of treating tumor cells expressing an
5 activated ras oncogene comprising administering an effective
amount of a compound of Claim 1.

21. The method of Claim 20 wherein the tumor cells
10 treated are pancreatic tumor cells, lung cancer cells, myeloid
leukemia tumor cells, thyroid follicular tumor cells,
myelodysplastic tumor cells, epidermal carcinoma tumor cells,
bladder carcinoma tumor cells, colon tumors cells, breast tumor
cells and prostate tumor cells.

15 22. A method of treating tumor cells wherein the Ras
protein is activated as a result of oncogenic mutation in genes
other than the Ras gene, comprising administering an effective
amount of a compound of Claim 1.

20 23. A method of inhibiting farnesyl protein transferase
comprising the administration of an effective amount of the
compound of Claim 1.

24. A pharmaceutical composition for inhibiting farnesyl protein transferase comprising an effective amount of compound of Claim 1 in combination with a pharmaceutically acceptable carrier.